



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

BUREAU OF ENGINEERING
SUITE 700, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 741-0791

JOHN C. SCHROER
COMMISSIONER

BILL HASLAM
GOVERNOR

TO: Will Reid
Assistant Chief Engineer of Operations

FROM: Brad Freeze, Director of Traffic Operations

SUBJECT: **Proprietary Item Request and Justification**
City of Cookeville
Ethernet Switches

Ethernet Switches: The City of Cookeville is requesting that Siemens Ruggedcom RS900G 10-port managed Ethernet switches be used in all signalization projects within the City over the next three years where Federal and/or State funding are used. The following are justification items for this request:

The City of Cookeville currently operates Siemens Eagle EPAC controllers at all 67 signalized intersections within the City's jurisdiction and the City of Cookeville was granted proprietary approval to specify this traffic signal controller brand on 3/24/17. This type of Ethernet switch is installed at all 67 signalized intersections and this request is necessary to maintain communication compatibility and synchronization with the existing traffic signal system. The City of Cookeville staff has been extensively trained to install, operate, and maintain Siemens Ruggedcom RS00G 10-port managed Ethernet switches. This allows the technicians to quickly diagnose problems with field units which reduces the time required to maintain the system overall and helps keep the system operational during heavy traffic times to insure maximum capacity of the synchronized system. By utilizing the Siemens Ruggedcom RS00G 10-port managed Ethernet switches as the standard for the City, there will be a cost savings in stocking replacement equipment which will result in faster and less costly repair.

I, Brad Freeze, Director of the Traffic Operations Division of the Tennessee Department of Transportation, do hereby certify that in accordance with the requirements of 23 CFR 635.411(a) (2) that the patented or proprietary items listed above are essential for the synchronization of existing facilities.

 , Director, Traffic Ops
Recommend for Approval


Assistant Chief Engineer of Operations

4/23/18
Date



Department of Public Works

1115 East Spring Street
Cookeville, TN 38501
Phone: 931-520-5249 Fax: 931-520-0629

April 12, 2018

Mr. Steve Bryan, P.E.
Traffic Operations Division, Traffic Engineer
Tennessee Department of Transportation
James K. Polk Bldg., 12th Floor
505 Deaderick Street
Nashville, TN 37243-0348

Re: Request for Proprietary Traffic Signalization Components Certification

Mr. Bryan:

The City of Cookeville is requesting certification to specify the Siemens Ruggedcom RS900G 10-port managed Ethernet switch to be used as part of any signalization project in the City of Cookeville that uses state or federal funds.

All of our controllers are Eagle and this switch is compatible with them.

Thank you for your consideration of this request.

If you have any questions concerning this, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Greg Brown".

Greg Brown, P.E.
Director of Public Works
City of Cookeville